600A1 AND 600A2 ONE UNIT HIGH COMBINATION SHELF INSTALLATION PROCEDURE (FOR INDOOR USE ONLY)

636-299-112-1
Issue 5, July 1997

The 600A1 Shelf (107 126 773) is equipped with 2-position mounting brackets for the 19-inch frame.

The 600A2 Shelf (107 260 580) is equipped with 23/19 mounting brackets for the 19-inch or 23-inch frame.

600A1 SHELF PARTS LIST (included)

- Tray (1)
- 3-inch Storage Drums (2)
- Adhesive-Backed Wire Retainers (2)
- Double-Sided Tape, 6-inch (152 mm)
- #10-32 x 1/4-inch Pan-Head Screws (6)
- M6.0 x 12 mm Screws (4)
- Mounting Brackets, 2-Position Euro (2)
- Cable Ties (2)

600A2 SHELF PARTS LIST (included)

- Tray (1)
- 3-inch Storage Drums (2)
- Adhesive-Backed Wire Retainers (2)
- Double-Sided Tape, 6-inch (152 mm)
- #10-32 x 1/4-inch Pan-Head Screws (6)
- #12-24 x 3/8-inch Pan-Head Screws (4)
- Mounting Brackets, 23- or 19-inch Frame (2)
- Cable Ties (2)

PARTS LIST (ordered separately)

- 24ST Connector Panel - 107 260 200
- 12ST Connector Panel - 107 260 226
- 24SC Connector Panel -107 260 242
- 12SC Connector Panel - 107 260 267
- 12SC Duplex Connector Panel - 107 260 291
- 12LC Duplex Connector Panel - 107 880 478
- 24LC Duplex Connector Panel - 107 984 411
- 183U1 Cover Plate - 107 260 614
- 1AF1-16LG Fusion Splice Organizers - 105 356 562
- 1AM1-12LG Mechanical Splice Organizers - 105 356 570
- 1AMF1-6LG Mass Fusion Splice Organizers - 107 545 451
- 1U-19 Jumper Trough - 107 260 598
- 1U-23 Jumper Trough - 107 260 606
- 159A Brackets - 107 336 745

- 24ST-EW Connector Panel (equipped w/24 ***ST***® Singlemode C3000A-2 couplings) - 107 570 053
- 12ST-EW Connector Panel (equipped w/12 ***ST*** Singlemode C3000A-2 couplings) - 107 570 046
- 24ST-EW Connector Panel (equipped w/24 ***ST*** Multimode couplings) - 107 260 184
- 12ST-EW Connector Panel (equipped w/12 ***ST*** Multimode couplings) - 107 260 218
- 24SC-EW Connector Panel (equipped w/24 SC couplings) - 107 260 234
- 12SC-EW Connector Panel (equipped w/12 SC couplings) - 107 260 259
- 12SC Duplex-EW Connector Panel (equipped w/12 SC Duplex couplings) - 107 260 275

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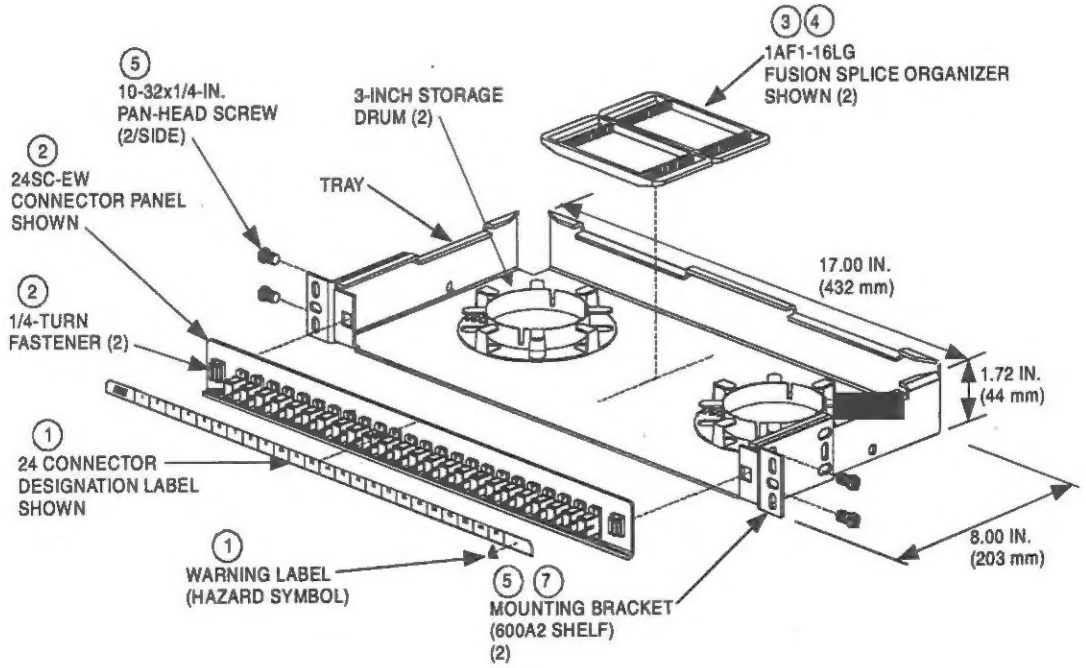
STEP 1— PARTS INSTALLATION

1. Designation Labels and Warning Labels (Hazard Symbol) are provided with Connector Panels (ordered separately). Apply Designation Label to Connector Panel by aligning top and left side of label with top and left edge of panel, making sure panel flange is on bottom. Apply Warning Label (Hazard Symbol) to Connector Panel in area shown below.
2. Install Connector Panel to tray by aligning two 1/4-turn fasteners on panel with square holes located on front of tray.
3. If One-Unit High Combination Shelf is used as splice shelf and optional splice organizers are used, cut two 1-1/2-inch (38 mm) sections from double-sided tape and apply to underside of organizer. **Do not cover slots.** Repeat procedure for other organizer.
4. Install two splice organizers to tray approximately as shown.
5. For 600A2 Shelf, install mounting brackets for either 19-inch or 23-inch frame, using four 10-32 x 1/4-inch pan-head screws (provided).

Note: Two screws required per side.

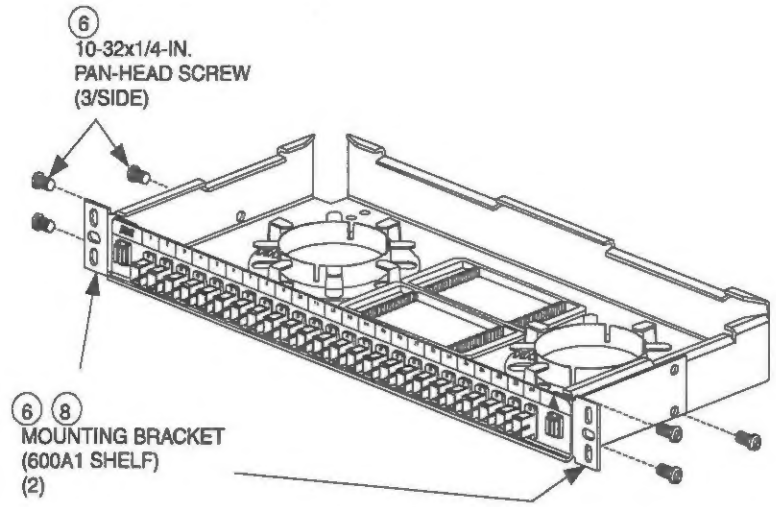


STEP 1— PARTS INSTALLATION

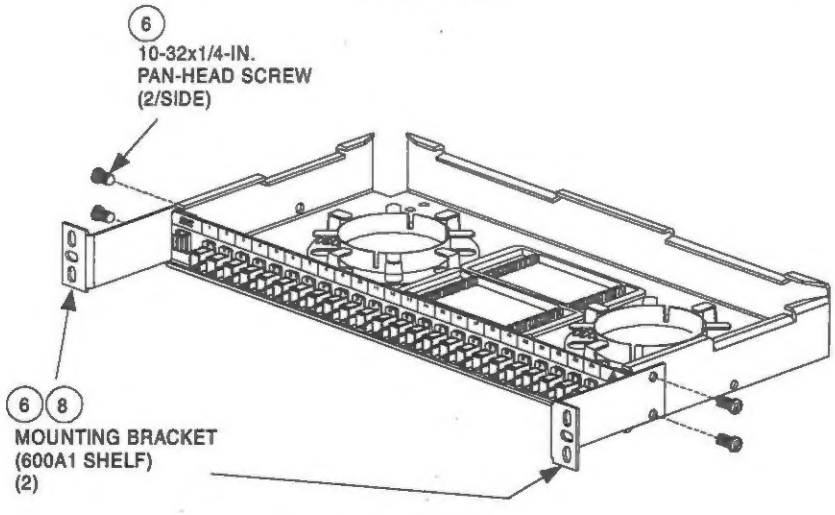
6. For 600A1 Shelf, install 2-position mounting brackets for 19-inch frame using six 10-32 x 1/4-inch pan-head screws (provided).
   NOTE: When 2-position mounting brackets are in extended position, two screws required per side.

6a. For 600A1 Shelf, install 159A mounting brackets (ordered separately) for ETSI frame using six 10-32 x 1/4-inch pan-head screws (provided).
   NOTE: When 159A mounting brackets are in extended position using slots, two screws required per side.

7. For 600A2 Shelf, mount tray to either 19-inch or 23-inch frame using four 12-24 x 3/8-inch pan-head screws (provided).
8. For 600A1 Shelf, mount tray to 19-inch or ETSI frame using four M6.0 x 12 mm screws (provided).

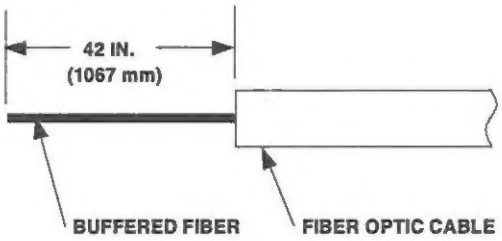


FLUSH POSITION



EXTENDED POSITION

STEP 2— CABLE INSTALLATION (FOR TERMINATION)



1. Prepare fiber optic cable(s) as shown above.
2. Install appropriate connectors on buffered fibers for type of connector panel and for couplings listed below.

ST Couplings and Attenuators:

- C2000A-2 MM Coupling
- C3000A-2 SM Coupling
- A2000 Series Attenuators
- A3000 Series Attenuators
- A3002 ST Buildout Block (Universal Buildout System)

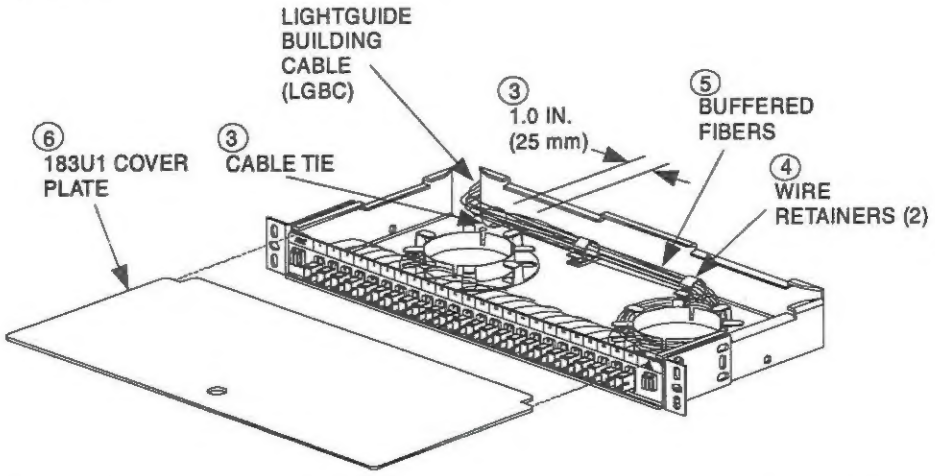
SC Simplex Couplings and Attenuators:

- C6000A-4 SM/MM Coupling
- C6000A-5 Flangeless Coupling
- A3003 SC Buildout Block (Universal Buildout System)

SC Duplex Couplings:

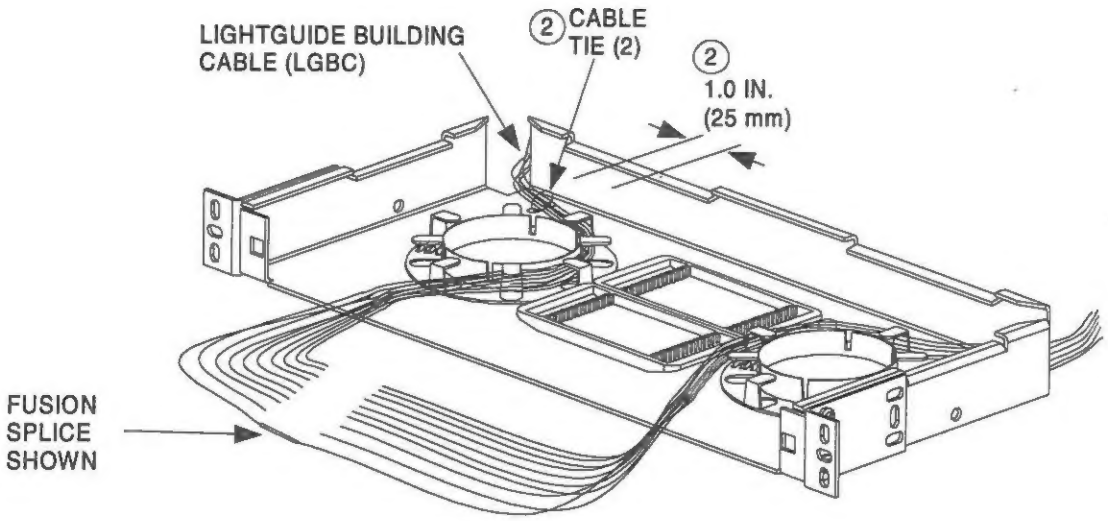
- C6060A-4 SM/MM Duplex Coupling
- C6061A-4 MM Duplex Coupling
- C6070A-4 MM SC to ST Duplex Coupling

3. Tie down incoming fiber optic cable(s) approximately one inch (25 mm) from stub, using cable tie and holes provided in tray.
4. Place adhesive-backed wire retainers approximately as shown.
5. Route buffered fibers with connectors through retainers and around Storage Drum to couplings.
6. If fiber protection is required, slide 183U1 Cover Plate (ordered separately) through flanges on tray until it reaches back wall.



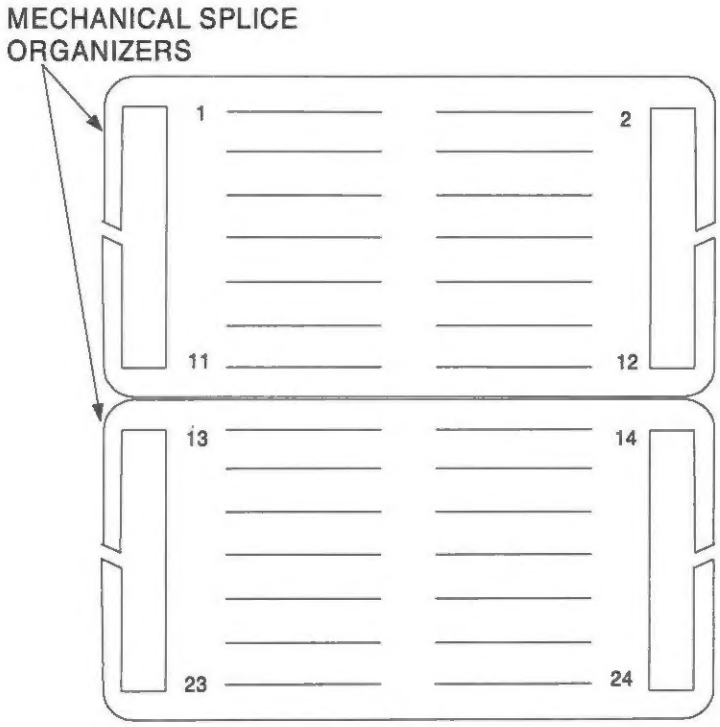
STEP 3— CABLE INSTALLATION (FOR SPLICING)

1. Prepare fiber optic cable(s) as shown in Step 2.
2. Tie down incoming fiber optic cable(s) approximately one inch (25mm) from stub, using cable tie and holes provided in tray.
3. On clean work surface, prepare fibers for splicing by untangling fibers and laying them out flat.
4. Obtain rotary / mechanical, fusion, or mass fusion splice materials as required per type splice to be made.
5. Splice fibers.

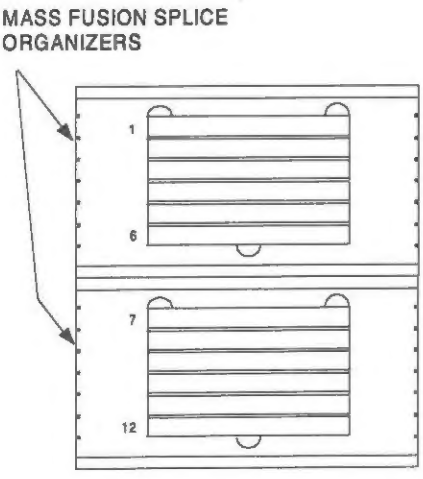


STEP 3— CABLE INSTALLATION (FOR SPLICING)

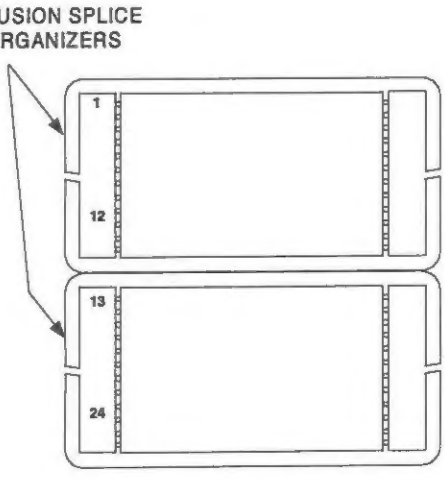
6. Place splices into splice organizers in recommended sequential order as shown. Position numbers on splice organizers are shown for information only; no numbers appear on organizers.



ROTARY/MECHANICAL SPLICE SEQUENCE



MASS FUSION SPLICE SEQUENCE

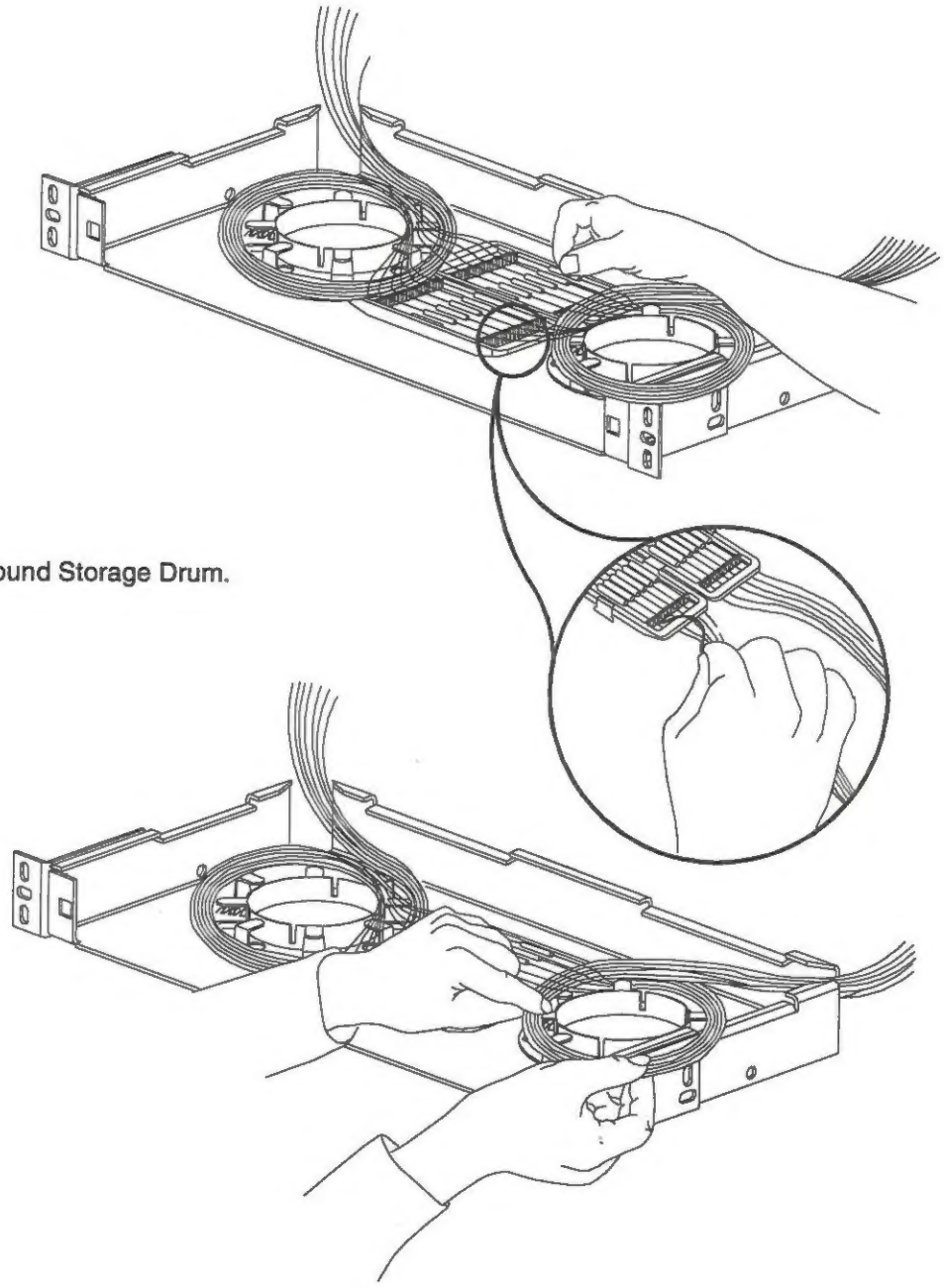


FUSION SPLICE SEQUENCE

NOTE: EACH FUSION SPLICE ORGANIZER CONTAINS FOUR SPARE POSITIONS.

STEP 3— CABLE INSTALLATION (FOR SPLICING)

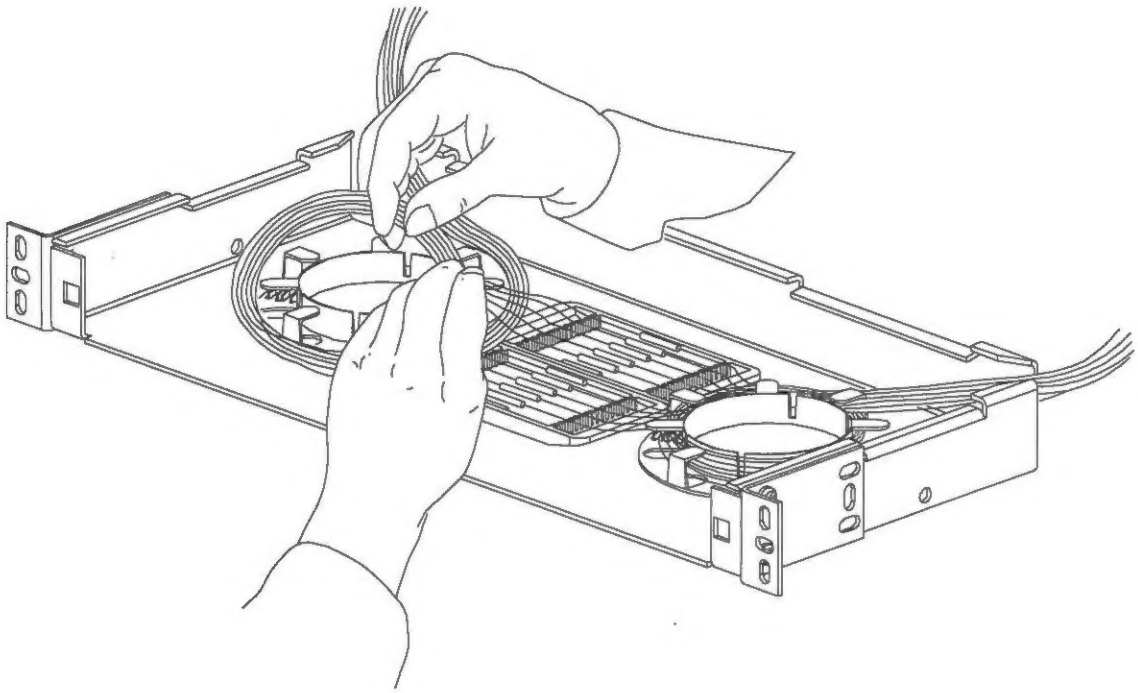
7. Use 1012A compression tool (for rotary / mechanical type splices), compress springs on splice, and place splices into splice organizer. Use your fingers to place fusion splices into splice organizer. Dress fibers as shown.



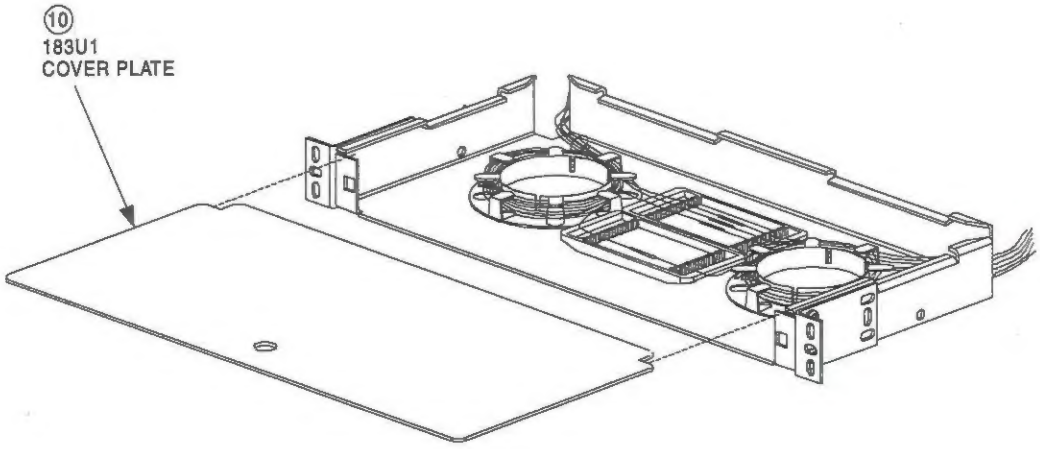
8. Dress slack around Storage Drum.

STEP 3— CABLE INSTALLATION (FOR SPLICING)

9. Repeat slack storage procedure for unbuffered cable fibers.

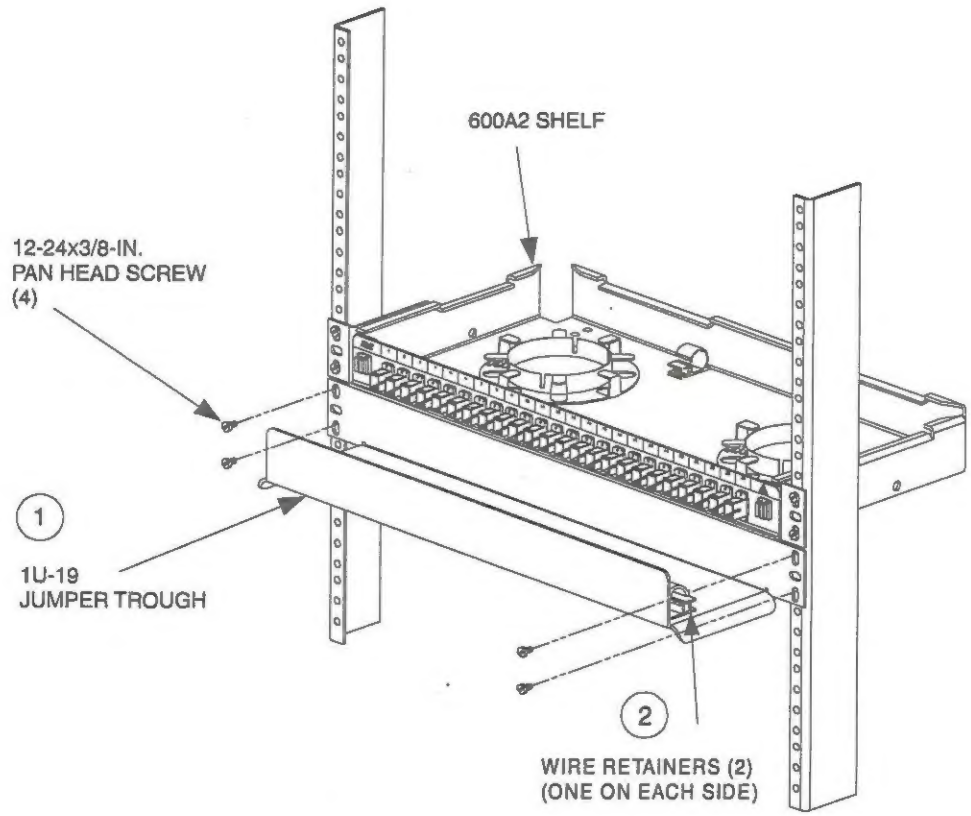


10. If fiber protection is required, slide 183U1 Cover Plate (ordered separately) through flanges on tray until it reaches back wall.



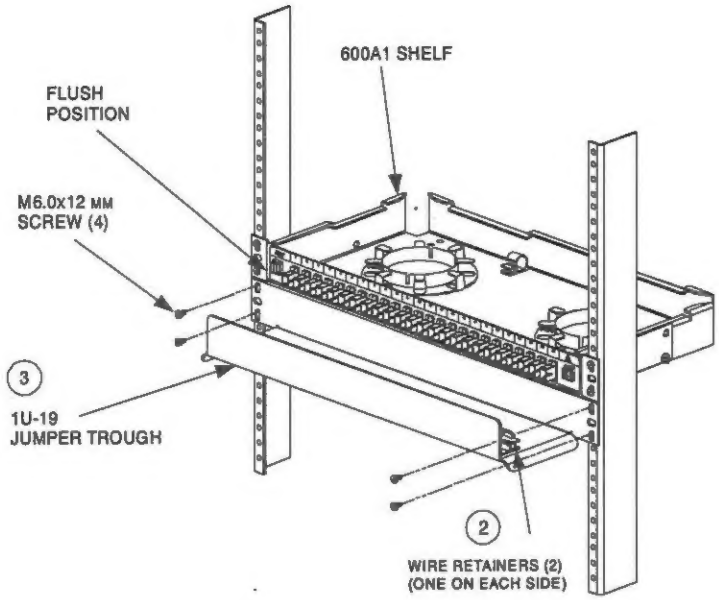
STEP 4— 1U-19, 1U-23 JUMPER TROUGH INSTALLATION (ordered separately)

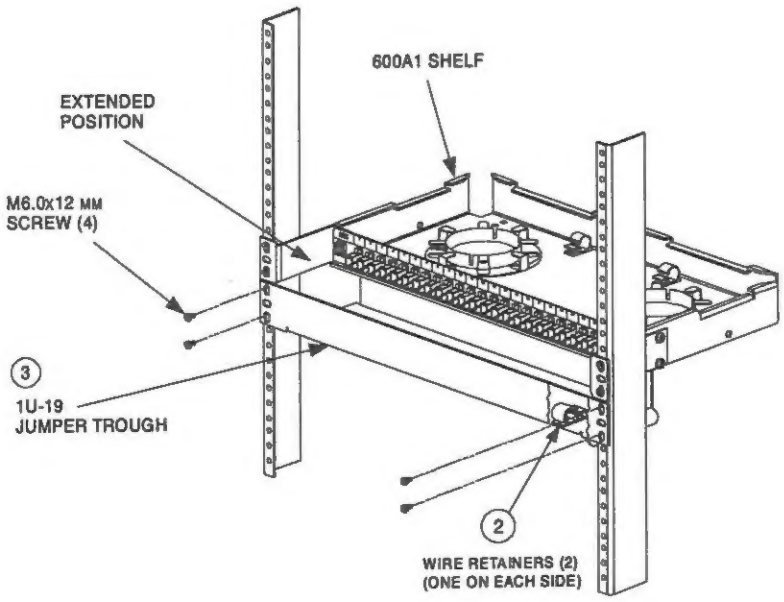
1. Install 1U-19 Jumper Trough to 19-inch frame, using four 12-24 x 3/8-inch pan-head screws (provided).
2. For better organization of jumpers, place adhesive-backed wire retainers approximately as shown. (Each retainer can hold up to 12 jumpers).

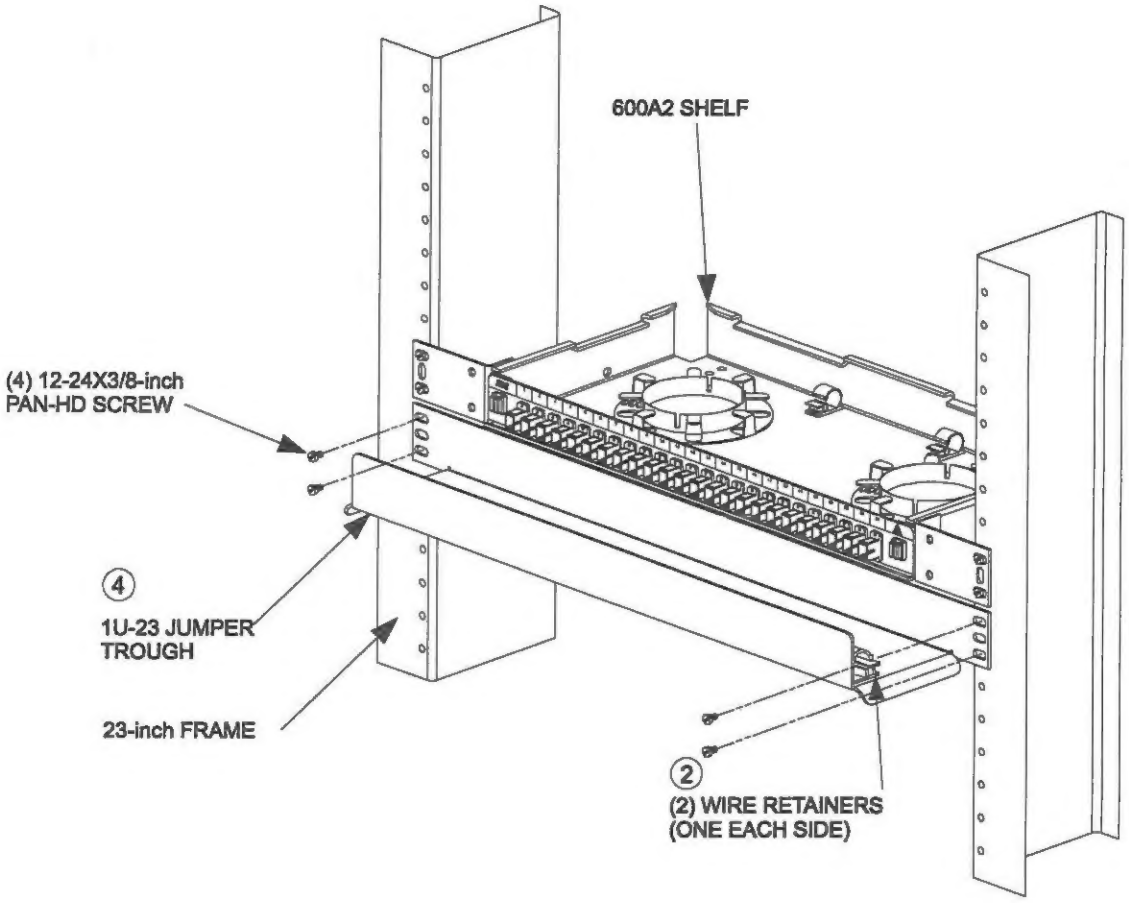


STEP 4— 1U-19, 1U-23 JUMPER TROUGH INSTALLATION (ordered separately)

3. For 600A1 Shelf, install 1U-19 Jumper Trough to 19-inch frame, using four M6.0 x 12 mm screws (provided). The 1U-19 Jumper Trough can also be reversed and mounted to frame when 2-position mounting brackets are in extended position.





STEP 4— 1U-19, 1U-23 JUMPER TROUGH INSTALLATION (ordered separately)

4. Install 1U-23 Jumper Trough to 23-inch frame, using four 12-24 x 3/8-inch pan-head screws (provided).